

FIG. 1

FIG. 2 is a block diagram of a system 100 in a normal processing mode and a guarded processing mode. The system 100 includes a normal processing mode 40 and a guarded processing mode 42. The normal processing mode 40 is in communication with the guarded processing mode 42 via a bidirectional communication link 50. The guarded processing mode 42 includes a monitored processing zone 44 and a ventricular therapy processing zone 46. The monitored processing zone 44 is in communication with the ventricular therapy processing zone 46 via a bidirectional communication link 48. The guarded processing mode 42 is in communication with the normal processing mode 40 via a bidirectional communication link 54. The guarded processing mode 42 is also in communication with the normal processing mode 40 via a bidirectional communication link 56.

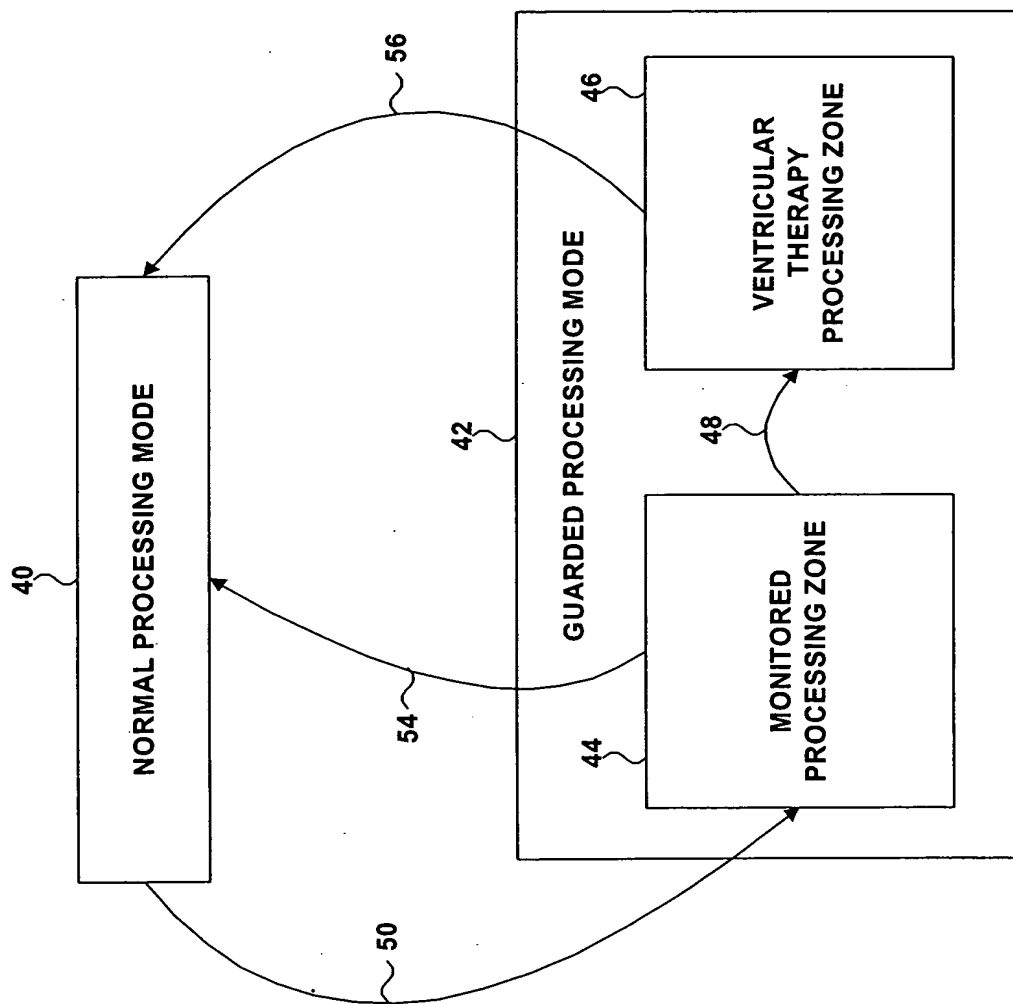


FIG. 2

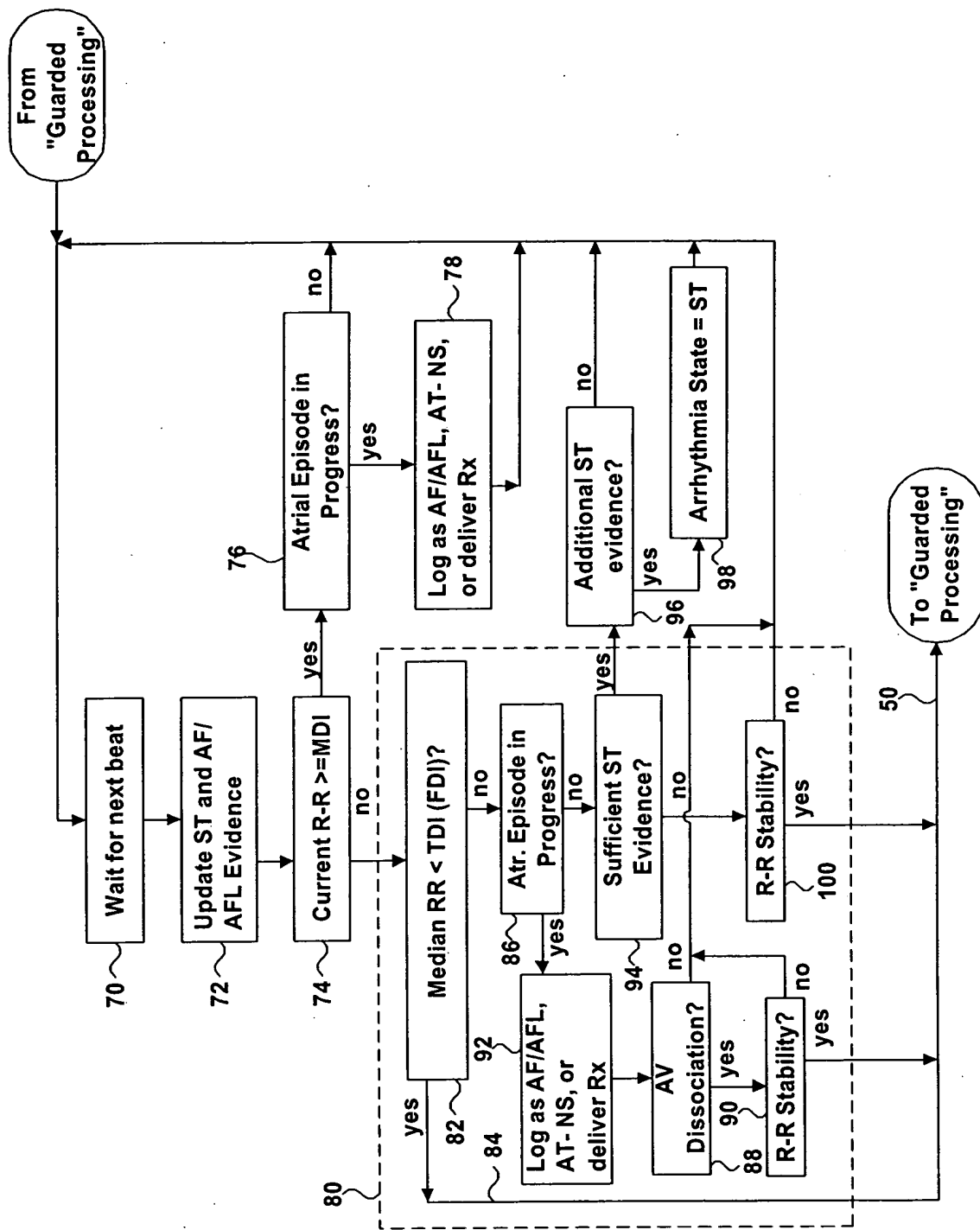


FIG. 3

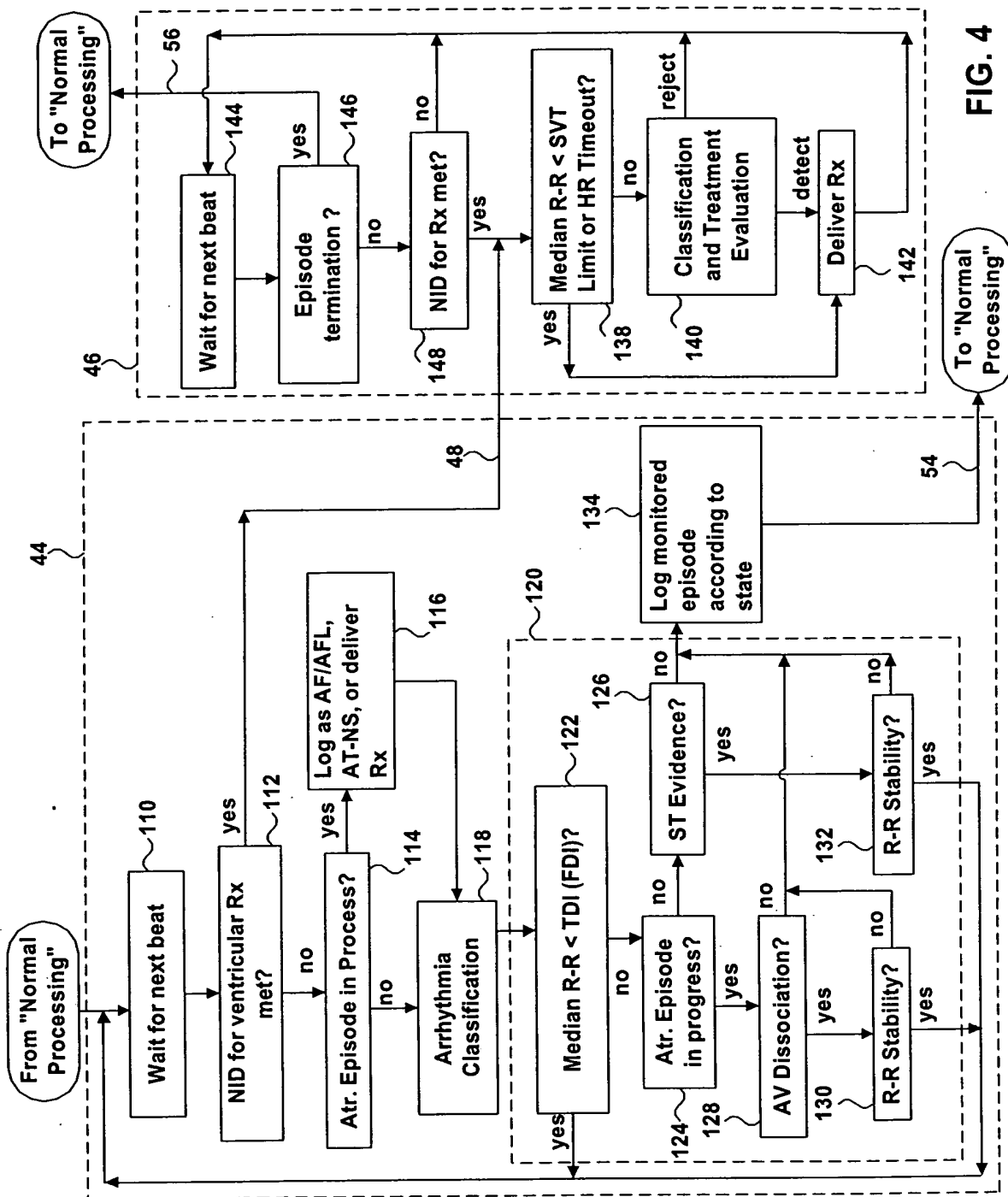


FIG. 4



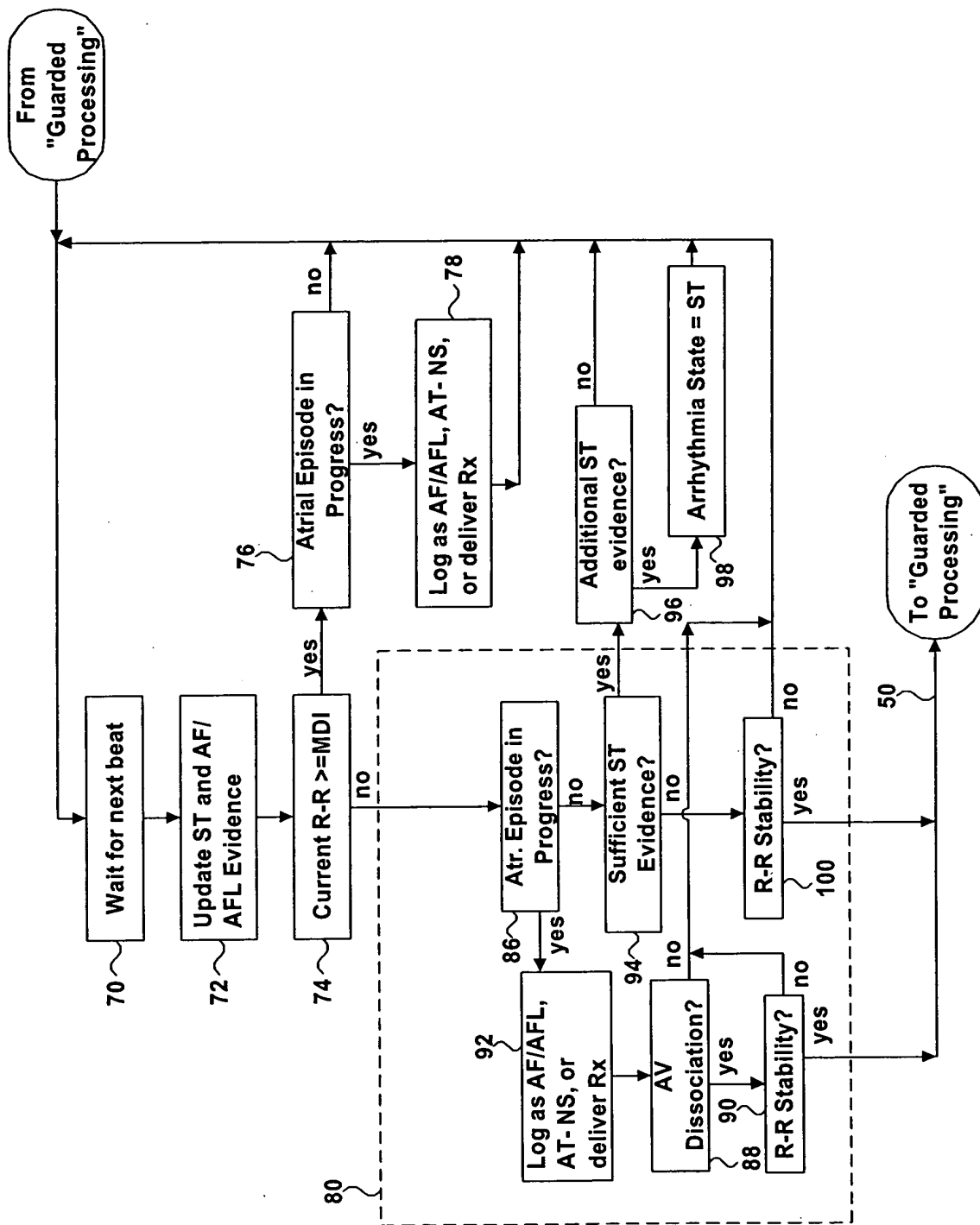


FIG. 6

FIG. 7 is a flowchart illustrating a method for processing cardiac data. The method begins with a decision block 110, "Wait for next beat". If a beat is received, the method proceeds to decision block 114, "Atr. Episode in Process?". If the answer is "yes", the method proceeds to block 116, "Log as AF/AFL, AT-NS, or deliver Rx", and then to block 118, "Arrhythmia Classification". If the answer to 114 is "no", the method proceeds directly to block 118. Block 118 leads to decision block 170, "VT, VF or dual tachycardia?". If the answer is "yes", the method proceeds to block 172, "Rx", and then to block 120, "Log monitored episode according to state". If the answer to 170 is "no", the method proceeds to decision block 122, "Atr. Episode in progress?". If the answer to 122 is "yes", the method proceeds to decision block 124, "AV Dissociation?". If the answer to 124 is "yes", the method proceeds to decision block 126, "R-R Stability?". If the answer to 126 is "yes", the method proceeds to block 120. If the answer to 126 is "no", the method proceeds to decision block 128, "R-R Stability?". If the answer to 128 is "yes", the method proceeds to block 120. If the answer to 128 is "no", the method proceeds to decision block 130, "ST Evidence?". If the answer to 130 is "yes", the method proceeds to block 120. If the answer to 130 is "no", the method proceeds to block 120. If the answer to 122 is "no", the method proceeds to block 120. Block 120 leads to block 54, "To 'Normal Processing'", which loops back to block 110. The entire process is enclosed in a dashed box 44.

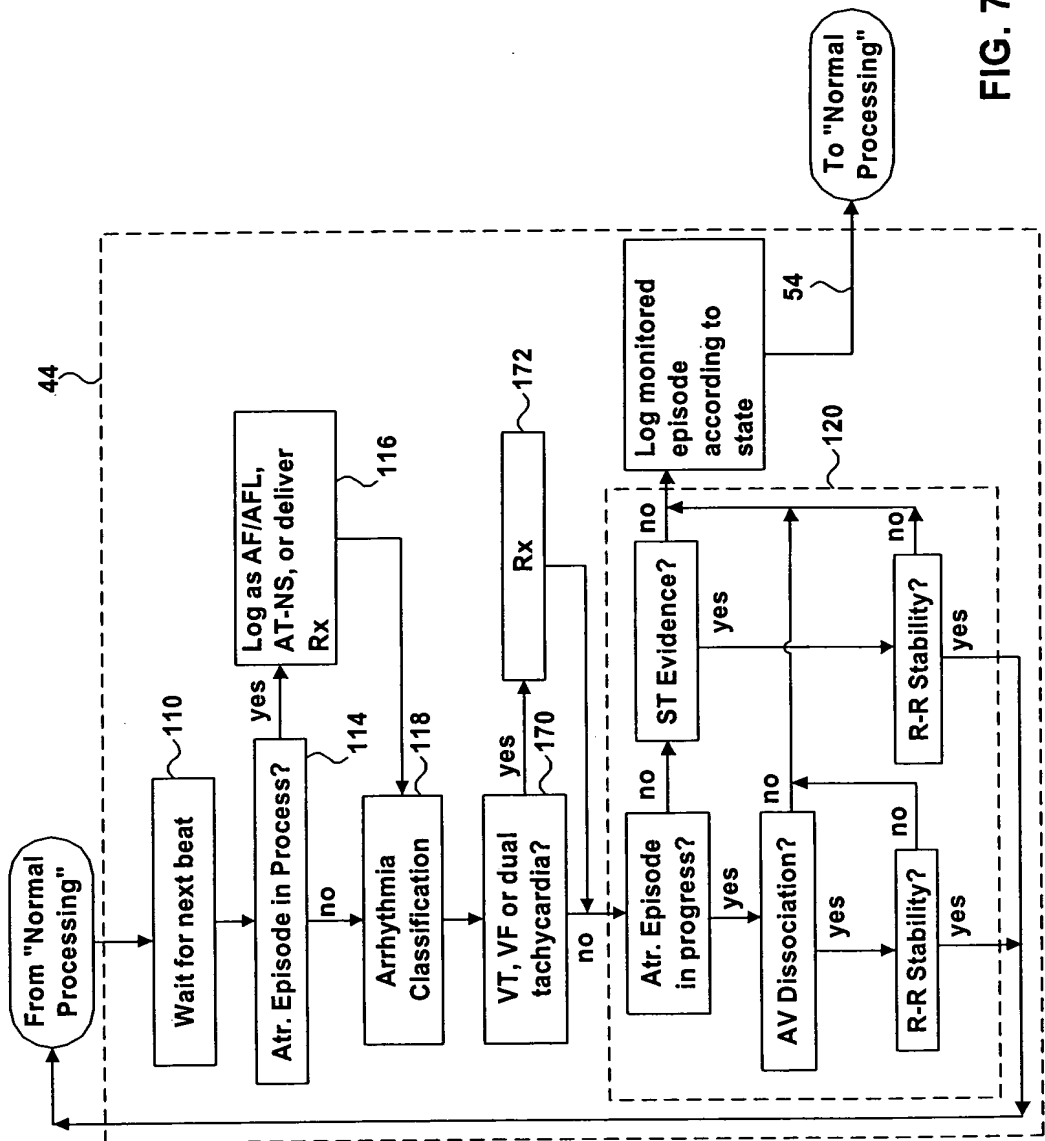


FIG. 7